



1632

PATENT  
ATTORNEY DOCKET NO. 50154/004002

Certificate of Mailing: Date of Deposit: May 15, 2002

I hereby certify under 37 C.F.R. § 1.8(a) that this correspondence is being deposited with the United States Postal Service as **first class mail** with sufficient postage on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Tracey Simmons

Printed name of person mailing correspondence

Signature of person mailing correspondence

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Jeffrey A. Hubbell et al.

Art Unit: 1632

Serial No.: 10/047,404

Examiner: Not yet assigned

Filed: October 19, 2001

Customer No.: 21559

Title: BLOCK COPOLYMERS FOR MULTIFUNCTIONAL SELF-ASSEMBLED SYSTEMS

Assistant Commissioner For Patents

Washington, DC 20231

SEARCHED  
INDEXED  
MAILED

INFORMATION DISCLOSURE STATEMENT

Applicants submit the references listed on the attached form PTO-1449, copies of which are enclosed.

Submission of this statement is not a representation that a search has been made, nor is information included in this statement an admission that the information is material to patentability.

This statement is being filed before the receipt of a first Office action on the merits.

If there are any other charges, or any credits, please apply them to Deposit Account No. 03-2095.

Respectfully submitted,

Date: May 15, 2002

Kristina Bieker-Brady, Ph.D.  
Reg. No. 39,109

Clark & Elbing LLP  
101 Federal Street  
Boston, MA 02110  
Telephone: 617-428-0200  
Facsimile: 617-428-7045

\Clark-w2k\documents\50154\50154.004002 Information Disclosure Statement.wpd



21559

PATENT TRADEMARK OFFICE

SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	Attorney Docket No.	50154/004002
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use several sheets if necessary)		Serial No.	10/047,404
		Applicant	Jeffrey A. Hubbell et al.
		Filing Date	October 19, 2001
		Group	1632
		IDS Filed	May 15, 2002
		Customer No.	21559

## U.S. PATENTS

Examiner's Initials	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (If Appropriate)
	4,618,400	10/21/86	Wood			

## OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)

Aida et al., "Zinc N-substituted Porphyrins as Novel Initiators for the Living and Immortal Polymerizations of Episulfide," <i>Macromolecules</i> , 23:3887-3892 (1990).	
Blume et al., "Specific Targeting with Poly(ethylene glycol)-modified Liposomes: Coupling of Homing Devices to the Ends of the Polymeric Chains Combines Effective Target Binding with Long Circulation Times," <i>Biochim. Biophys. Acta</i> , 1149:180-184 (1993).	
Booth et al., "Effects of Block Architecture and Composition on the Association Properties of Poly(oxalkylene) Copolymers in Aqueous Solution," <i>Macromol. Chem. Rapid Commun.</i> , 21:501-527 (2000).	
Discher et al., "Polymersomes: Tough Vesicles Made from Diblock Copolymers," <i>Science</i> , 284:1143-1146 (1999).	
Gabizon, "Targeting Folate Receptor with Folate Linked to Extremities of Poly(ethylene glycol)-Grafted Liposomes: In Vitro Studies," <i>Bioconjugate Chem.</i> , 10:289-298 (1999).	
Inoue et al., "Gene Therapy of Human Bladder Cancer with Adenovirus-mediated Antisense Basic Fibroblast Growth Factor," <i>Clinical Cancer Research</i> , 6:4422-4431 (2000).	
Lasic et al., ed. <i>Stealth Liposomes</i> , Chapters 2, 4, and 9, CRC Press: Boca Raton, FL, (1995).	
Mortensen, "Block Copolymer in Aqueous Solution: Micelle Formation and Hard-sphere Crystallization," <i>Prog. Colloid. Polym. Sci.</i> , 93:72-75 (1993).	
Torchilin et al., "Poly(ethylene glycol) on the Liposome Surface: on the Mechanism of Polymer-coated Liposome Longevity," <i>Biochim. Biophys. Acta</i> , 1195:11-20 (1994).	
Watanabe et al., "First Example of Photoinduced Copolymerizability Enhancement. Copolymerization of Epoxide and Episulfide Initiated with Zinc N-substituted Porphyrin under Visible Light Irradiation," <i>Macromolecules</i> , 24:3970-3972 (1991).	
Won, "Giant Wormlike Rubber Micelles," <i>Science</i> , 283 960-963, (1999).	
Yu et al., "Bilayer Morphologies of Self-assembled Crew-cut Aggregates of Amphiphilic PS-b-PEO Diblock Copolymers in Solution," <i>Macromolecules</i> , 31:3509-3518, (1998).	
Zalipsky et al., "Peptide Attachment to Extremities of Liposomal Surface Grafted PEG Chains: Preparation of the Long-circulating Form of Laminin Pentapeptide, YIGSR," <i>Bioconjugate Chem.</i> , 6:705-708 (1995).	
Zalipsky, "Long-circulating, Polyethylene Glycol-grafted Immunoliposomes," <i>J. Controlled Release</i> , 39:153-161 (1996).	
EXAMINER	DATE CONSIDERED
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.	